Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system for integrating applications in different enterprises separated by at least one firewall ~~firewalls~~, the system comprising:

an ~~input~~ agent acting as a spoke in a hub and spoke integration system, the agent for receiving high level business data from a source application;

an encryption engine for encrypting the high level business data to produce encrypted business data;

a queue manager for receiving the encrypted high level business data and for storing the high level business data for delivery to a target ~~processor~~ server; and

an output for transmitting the encrypted high level business data to the server acting as a hub in another hub and spoke integration system; and running the target application, wherein the system and the target ~~processor~~ server are separated by the at least one firewall.

2. (Original) The system of claim 1, further comprising the at least one firewall for coupling the output to a wide area network.

3. (Original) The system of claim 1, wherein the encryption engine comprises a secure sockets layer protocol.

4. (Original) The system of claim 1, wherein the encryption engine comprises an HTTPS protocol.

5. (Currently amended) A method for integrating applications hosted at different enterprises separated by at least one firewall, the method comprising steps of:

      receiving at an agent acting as a spoke in a hub and spoke integration system, data from a source application program;

      encoding the data according to a message queuing protocol to provide an MQ message;

      encrypting the MQ message to provide an encrypted MQ message; and

      transmitting the encrypted MQ message to a server, acting as a hub in another hub and spoke integration system; running a destination application program for processing of the data.

6. (Original)The method of claim 5 further comprising storing the encrypted MQ message in a queue manager prior to transmitting the encrypted MQ message.

7. (Original)The method of claim 5 further comprising sending a message to the source application program instructing the source application program to stop sending data.

8. (Original)The method of claim 5 further comprising maintaining a record of the messages received from the source application program.

9. (Original) The method of claim 8 wherein the record of the messages received from the source application program comprises information on the number of messages received.

10. (Previously presented) The method of claim 8 wherein the record of the messages received from the source application program comprises information on type of messages received.

11. (Currently amended) A computer ~~storage~~ readable <u>storage</u> medium comprising code that, when executed, causes a computer to:

receive data<u> at an agent acting as a spoke in a hub and spoke integration system,</u> from a source application program;

encode the data according to a message queuing protocol to provide an MQ message;

encrypt the MQ message to provide an encrypted MQ message; and

transmit the encrypted MQ message to <u>a server acting as a hub in another hub and spoke integration system, and running </u>a destination application program for processing of the data, wherein the source application program and the destination application program are separate by at least one firewall.

12. (Previously presented) The computer readable storage medium of claim 11 further comprising an instruction for storing the encrypted MQ message in a queue manager prior to transmitting the encrypted MQ message.

13. (Previously presented) The computer readable storage medium of claim 11 further comprising an instruction for sending a message to the source application program instructing the source application program to stop sending data.

14. (Previously presented) The computer readable storage medium of claim 11 further comprising an instruction for maintaining a record of the messages received from the source application program.

15. (Previously presented) The computer readable storage medium of claim 14 wherein the record of the messages received from the source application program comprises information on the number of messages received.

16. (Previously presented) The computer readable storage medium of claim 14 wherein the record of the messages received from the source application program comprises information on type of messages received.

17. (Currently amended) [[A]] An ~~remote~~ agent acting as a spoke in a hub and spoke integration system, comprising:

an input for receiving a message from a ~~first~~ source application, the message comprising high level data and a request to process the data by a ~~second~~ target application at a target ~~node~~ server acting as a hub in another hub and spoke integration system, in a network, wherein the target ~~node~~ server is located at another side of a firewall from the agent; and

a first queue manager for receiving messages from the agent and for transmitting the messages to the target ~~node~~ server when the target ~~node~~ server can receive the messages.

18. (Currently amended) A method for transmitting high-level data in real time to one or more enterprises, the method comprising:

receiving, at an agent acting as a spoke in a hub and spoke integration system, from an application, a message comprising high level data and a request to process the data by a server acting as a hub in another hub and spoke integration system, running;

converting the message into an MQ message using a message queuing protocol;

encrypting the MQ message using a security protocol to provide a secure MQ message; and

transmitting the encrypted MQ message to a first queue manager for retransmission at a time when the network is suitable for transporting the message to the server.

19. (Previously presented) The method of claim 18, wherein the high-level data comprises customer information.

20. (Previously presented) The method of claim 18, wherein transmitting the MQ message

further comprises using a hypertext transfer protocol.

21. (Previously presented) The method of claim 18, wherein transmitting the MQ message further comprises a secure socket layer protocol.

22. (Previously presented) The method of claim 18, wherein transmitting the MQ message further comprises a hypertext transfer protocol over a secure socket layer.